

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 09650/005001	SERIAL NO. 09/136,868
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))		APPLICANT Ronald P. Knockeart et al.		
		FILING DATE August 19, 1998	GROUP	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4 7 9 6 1 9 1	01/03/89	Honey et al.			
	AB	5 3 1 1 1 9 5	05/10/94	Mathis et al.			
	AC	5 5 0 4 4 8 2	04/02/96	Schreder			
	AD	5 5 4 3 7 8 9	08/06/96	Behr et al.			
	AE	5 5 5 9 5 5 1	09/24/96	Ito et al.			
	AF	5 5 6 5 8 7 4	10/15/96	Rode			
	AG	5 5 8 7 9 1 1	12/24/96	Asano et al.			
	AH	5 6 1 2 8 8 1	03/18/97	Moroto et al.			
	AI	5 6 4 2 1 0 6	06/24/97	Hancock et al.			
	AJ	5 8 7 5 4 1 2	02/23/99	Sulich et al.			
	AK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 96/07110	03/07/96	PCT				
	AM	EPO 379 198 A	07/25/90	Europe				
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ		Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System					
AR							
AS							

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-005001	Application No. 09/136,868
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Ronald P. Knockeart et al.		
		Filing Date August 19, 1998	Group Art Unit	

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,563,607	10/08/96	Loomis et al.	342	357	
	AB	5,539,645	07/23/96	Mandhyan et al.	364	438	
	AC	5,334,986	08/02/94	Ferhout	342	357	
	AD	5,243,528	09/07/93	Lefebvre	364	449	
	AE	5,072,395	12/10/91	Bliss et al.	364	443	

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AF	96/21193	07/11/96	WO			
	AG	96/00373	01/04/96	WO			
	AH	0 786 646 A2	07/30/97	Europe			
	AI	0 354 684	02/14/90	Europe			
	AJ	0 349 652	01/10/90	Europe			
	AK	41 39 581 A1	06/03/93	Germany			
	AL	43 00 927 A1	07/21/94	Germany			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>							
Examiner Initial	Desig. ID	Document					
	AM						
	AN						
	AO						
	AP						
	AQ						

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		Filing Date August 19, 1998	Group Art Unit 3662

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4733356	03/22/88	Haeussermann, et al.			
	AB	4954958	09/04/90	Savage, et al.			
	AC	5025261	06/18/91	Ohta, et al.			
	AD	5043902	08/27/91	Yokoyama, et al.			
	AE	5172321	12/15/92	Ghaem, et al.			
	AF	5239700	08/24/93	Guenther, et al.			
	AG	5278759	01/11/94	Berra, et al.			
	AH	5311434	05/10/94	Tamai			
	AI	5323321	06/21/94	Smith			
	AJ	5452212	09/19/95	Yokoyama, et al.			
	AK	5475599	12/12/95	Yokoyama, et al.			
	AL	5515284	05/07/96	Abe			
	AM	5610821	03/11/97	Gazis, et al.			
	AN	5635953	06/03/97	Hayami, et al.			
	AO	5648768	07/15/97	Bouve			
	AP	5648769	07/15/97	Sato, et al.			
	AQ	5651056	07/22/97	Eting, et al.			
	AR	5659476	08/19/97	LeFebvre, et al.			
	AS	5794164	08/11/98	Beckert, et al.			
	AT	5808566	09/15/88	Behr, et al.			
	AU	5922041	07/13/99	Anderson			
	AV	5924075	07/13/99	Kanemitsu			
	AW	5938721	08/17/99	Dussell, et al.			
	AX	5951620	09/14/99	Ahrens, et al.			
	AY	5959577	09/28/99	Fan, et al.			
	AZ	6070124	05/30/00	Nimura, et al.			
	AAA	6124826	09/26/00	Garthwaite, et al.			

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		Filing Date August 19, 1998	Group Art Unit 3662

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6131064	10/10/00	Vieweg			
	ACC	6216086	04/10/01	Seymour, et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
	ADD						Yes      No

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		Filing Date August 19, 1998	Group Art Unit 3662	

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,559,707	09/24/96	DeLorme et al.			
	AB	5,638,280	06/10/97	Nishimura et al.			
	AC	5,774,824	06/30/98	Streit et al.			
	AD	5,802,492	09/01/98	DeLorme et al.			
	AE	5,848,373	12/08/98	DeLorme et al.			
	AF	5,862,500	01/19/99	Goodwin			
	AG	5,948,040	09/07/99	DeLorme et al.			
	AH	6,009,403	12/28/99	Sato			
	AI	6,032,089	02/29/00	Buckley			
	AJ	6,075,467	06/13/00	Ninagawa			
	AK	6,076,041	06/13/00	Watanabe			
	AL	6,141,609	10/31/00	Herdeg et al.			
	AM	6,249,767	06/19/01	Okayama et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>						
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass
	AN	0 317 181 B1	05/24/89	Europe		
	AO					

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>						
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<b>Notice of References Cited</b>			Application No. 09/136868	Applicant(s) <b>KNOCKEART ET AL</b>		
			Examiner <b>T. BLUM</b>	Group Art Unit <b>3662</b>	Page ____ of ____	
U.S. PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	NAME		CLASS	SUBCLASS
A	6028537	2-22-00	SUMAN ET AL		340	99.5
B						
C						
D						
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FOREIGN PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
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NON-PATENT DOCUMENTS						
*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)				DATE	
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W						
X						

\* A copy of this reference is not being furnished with this Office action.  
(See Manual of Patent Examining Procedure, Section 707.05(a).)

## Notice of References Cited

Application No.  
09/136,868

Applicant(s)

KNOCKEART ET AL

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Group Art Unit

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Page \_\_\_\_ of \_\_\_\_

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B	5364093	11-15-94	HUSTON ET AL	—	—
C	5955973	9-21-99	ANDERSON	340	988
D	5394333	2-28-95	KAO	340	990
E	5243528	9-7-93	LEFEBVRE	340	988
F					
G					
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*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
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## NON-PATENT DOCUMENTS

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 (See Manual of Patent Examining Procedure, Section 707.05(a).)

<b>Notice of References Cited</b>		Application/Control No. 09/136,868	Applicant(s)/Patent Und Reexamination KNOCKEART ET AL.	
		Examiner Theodore M. Blum	Art Unit 3662	Page 1 of 1

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A	US-6,324,472	11-2001	O'Shea	701/211
B	US-5,802,492	09-1998	DeLorme et al	701/200
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

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*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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**NON-PATENT DOCUMENTS**

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.